

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/079,819*

DATE: 05/29/98
TIME: 08:05:39

INPUT SET: S26225.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

#7
04-05-99

SEQUENCE LISTING

ENTERED

- ```

1
2
3 (1) General Information
4
5 (i) APPLICANT: Alvarez, Vernon L.
6 O'Mahony, Daniel J.
7 Lambkin, Imelda J.
8 Singleton, Judith
9 Patterson, Catherine A.
10 Cagney, Gerard M.
11 Belinka, Benjamin A.
12 Carter, John M.
13
14 (ii) TITLE OF THE INVENTION: RANDOM PEPTIDES THAT BIND TO GASTRO-
15 INTESTINAL TRACT (GIT) TRANSPORT RECEPTORS AND RELATED METHODS
16
17
18 (iii) NUMBER OF SEQUENCES: 265
19
20 (iv) CORRESPONDENCE ADDRESS:
21 (A) ADDRESSEE: Pennie & Edmonds LLP
22 (B) STREET: 1155 Avenue of the Americas
23 (C) CITY: New York
24 (D) STATE: New York
25 (E) COUNTRY: USA
26 (F) ZIP: 10036
27
28 (v) COMPUTER READABLE FORM:
29 (A) MEDIUM TYPE: Diskette
30 (B) COMPUTER: IBM Compatible
31 (C) OPERATING SYSTEM: DOS
32 (D) SOFTWARE: FastSEQ Version 2.0
33
34 (vi) CURRENT APPLICATION DATA:
35 (A) APPLICATION NUMBER:
36 (B) FILING DATE:
37 (C) CLASSIFICATION:
38
39 (viii) ATTORNEY/AGENT INFORMATION:
40 (A) NAME: Misrock, S. Leslie
41 (B) REGISTRATION NUMBER: 18,872
42 (C) REFERENCE/DOCKET NUMBER: 1101-209
43
44 (ix) TELECOMMUNICATION INFORMATION:
45 (A) TELEPHONE: 212-790-9090
46 (B) TELEFAX: 212-869-9741

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/079,819DATE: 05/29/98  
TIME: 08:05:40

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47 (C) TELEX: 66141 PENNIE  
48  
49  
50 (2) INFORMATION FOR SEQ ID NO:1:  
51  
52 (i) SEQUENCE CHARACTERISTICS:  
53 (A) LENGTH: 44 amino acids  
54 (B) TYPE: amino acid  
55 (C) STRANDEDNESS:  
56 (D) TOPOLOGY: unknown  
57  
58 (ii) MOLECULE TYPE: peptide  
59  
60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
61  
62 Arg Ser Gly Ala Tyr Glu Ser Pro Asp Gly Arg Gly Gly Arg Ser Tyr  
63 1 5 10 15  
64 Val Gly Gly Gly Gly Gly Cys Gly Asn Ile Gly Arg Lys His Asn Leu  
65 20 25 30  
66 Trp Gly Leu Arg Thr Ala Ser Pro Ala Cys Trp Asp  
67 35 40  
68  
69 (2) INFORMATION FOR SEQ ID NO:2:  
70  
71 (i) SEQUENCE CHARACTERISTICS:  
72 (A) LENGTH: 44 amino acids  
73 (B) TYPE: amino acid  
74 (C) STRANDEDNESS:  
75 (D) TOPOLOGY: unknown  
76  
77 (ii) MOLECULE TYPE: peptide  
78  
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
80  
81 Ser Pro Arg Ser Phe Trp Pro Val Val Ser Arg His Glu Ser Phe Gly  
82 1 5 10 15  
83 Ile Ser Asn Tyr Leu Gly Cys Gly Tyr Arg Thr Cys Ile Ser Gly Thr  
84 20 25 30  
85 Met Thr Lys Ser Ser Pro Ile Tyr Pro Arg His Ser  
86 35 40  
87  
88 (2) INFORMATION FOR SEQ ID NO:3:  
89  
90 (i) SEQUENCE CHARACTERISTICS:  
91 (A) LENGTH: 44 amino acids  
92 (B) TYPE: amino acid  
93 (C) STRANDEDNESS:  
94 (D) TOPOLOGY: unknown  
95  
96 (ii) MOLECULE TYPE: peptide  
97  
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
99

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|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100 | Ser | Ser | Ser | Ser | Asp | Trp | Gly | Gly | Val | Pro | Gly | Lys | Val | Val | Arg | Glu |
| 101 | 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |
| 102 | Arg | Phe | Lys | Gly | Arg | Gly | Cys | Gly | Ile | Ser | Ile | Thr | Ser | Val | Leu | Thr |
| 103 |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |
| 104 | Gly | Lys | Pro | Asn | Pro | Cys | Pro | Glu | Pro | Lys | Ala | Ala |     |     |     |     |
| 105 |     |     | 35  |     |     |     |     | 40  |     |     |     |     |     |     |     |     |

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 44 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Arg | Val | Gly | Gln | Cys | Thr | Asp | Ser | Asp | Val | Arg | Arg | Pro | Trp | Ala | Arg |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |
| Ser | Cys | Ala | His | Gln | Gly | Cys | Gly | Ala | Gly | Thr | Arg | Asn | Ser | His | Gly |
|     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |
| Cys | Ile | Thr | Arg | Pro | Leu | Arg | Gln | Ala | Ser | Ala | His |     |     |     |     |
|     |     | 35  |     |     |     |     | 40  |     |     |     |     |     |     |     |     |

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 39 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Ser His Ser Gly Gly Met Asn Arg Ala Tyr Gly Asp Val Phe Arg Glu  
 1 5 10 15  
 Leu Arg Asp Arg Trp Asn Ala Thr Ser His His Thr Arg Pro Thr Pro  
 20 25 30  
 Gln Leu Pro Arg Gly Pro Asn  
 35

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 41 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS:

(D) TOPOLOGY: unknown

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153 (ii) MOLECULE TYPE: peptide  
154  
155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
156  
157 Ser Pro Cys Gly Gly Ser Trp Gly Arg Phe Met Gln Gly Gly Leu Phe  
158 1 5 10 15  
159 Gly Gly Arg Thr Asp Gly Cys Gly Ala His Arg Asn Arg Thr Ser Ala  
160 20 25 30  
161 Ser Leu Glu Pro Pro Ser Ser Asp Tyr  
162 35 40  
163

164 (2) INFORMATION FOR SEQ ID NO:7:  
165

166 (i) SEQUENCE CHARACTERISTICS:

167 (A) LENGTH: 39 amino acids  
168 (B) TYPE: amino acid  
169 (C) STRANDEDNESS:  
170 (D) TOPOLOGY: unknown  
171

172 (ii) MOLECULE TYPE: peptide  
173

174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
175

176 Arg Gly Ala Ala Asp Gln Arg Arg Gly Trp Ser Glu Asn Leu Gly Leu  
177 1 5 10 15  
178 Pro Arg Val Gly Trp Asp Ala Ile Ala His Asn Ser Tyr Thr Phe Thr  
179 20 25 30  
180 Ser Arg Arg Pro Arg Pro Pro  
181 35  
182

183 (2) INFORMATION FOR SEQ ID NO:8:  
184

185 (i) SEQUENCE CHARACTERISTICS:

186 (A) LENGTH: 44 amino acids  
187 (B) TYPE: amino acid  
188 (C) STRANDEDNESS:  
189 (D) TOPOLOGY: unknown  
190

191 (ii) MOLECULE TYPE: peptide  
192

193 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
194

195 Ser Gly Gly Glu Val Ser Ser Trp Gly Arg Val Asn Asp Leu Cys Ala  
196 1 5 10 15  
197 Arg Val Ser Trp Thr Gly Cys Gly Thr Ala Arg Ser Ala Arg Thr Asp  
198 20 25 30  
199 Asn Lys Gly Phe Leu Pro Lys His Ser Ser Leu Arg  
200 35 40  
201

202 (2) INFORMATION FOR SEQ ID NO:9:  
203

204 (i) SEQUENCE CHARACTERISTICS:

205 (A) LENGTH: 44 amino acids

G6S6T6S6U6C6T6S6A6C6C6C6C6

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206 (B) TYPE: amino acid  
207 (C) STRANDEDNESS:  
208 (D) TOPOLOGY: unknown  
209  
210 (ii) MOLECULE TYPE: peptide  
211  
212 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
213  
214 Ser Asp Ser Asp Gly Asp His Tyr Gly Leu Arg Gly Gly Val Arg Cys  
215 1 5 10 15  
216 Ser Leu Arg Asp Arg Gly Cys Gly Leu Ala Leu Ser Thr Val His Ala  
217 20 25 30  
218 Gly Pro Pro Ser Phe Tyr Pro Lys Leu Ser Ser Pro  
219 35 40  
220  
221 (2) INFORMATION FOR SEQ ID NO:10:  
222  
223 (i) SEQUENCE CHARACTERISTICS:  
224 (A) LENGTH: 39 amino acids  
225 (B) TYPE: amino acid  
226 (C) STRANDEDNESS:  
227 (D) TOPOLOGY: unknown  
228  
229 (ii) MOLECULE TYPE: peptide  
230  
231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
232  
233 Arg Ser Leu Gly Asn Tyr Gly Val Thr Gly Thr Val Asp Val Thr Val  
234 1 5 10 15  
235 Leu Pro Met Pro Gly His Ala Asn His Leu Gly Val Ser Ser Ala Ser  
236 20 25 30  
237 Ser Ser Asp Pro Pro Arg Arg  
238 35  
239  
240 (2) INFORMATION FOR SEQ ID NO:11:  
241  
242 (i) SEQUENCE CHARACTERISTICS:  
243 (A) LENGTH: 38 amino acids  
244 (B) TYPE: amino acid  
245 (C) STRANDEDNESS:  
246 (D) TOPOLOGY: unknown  
247  
248 (ii) MOLECULE TYPE: peptide  
249  
250 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
251  
252 Arg Thr Thr Thr Ala Lys Gly Cys Leu Leu Gly Ser Phe Gly Val Leu  
253 1 5 10 15  
254 Ser Gly Cys Ser Phe Thr Pro Thr Ser Pro Pro Pro His Leu Gly Tyr  
255 20 25 30  
256 Pro Pro His Ser Val Asn  
257 35  
258

505950:07862000

**POLYMER LETTERS**